

WHAT IS CLAIMED IS:

1. A method of managing a generation of backup data in a storage system carried out by a storage control device, said
5 backup data being generated in each of a plurality of pairs originating from one volume, said method comprising:

receiving, from a host computer,

a split request for stopping synchronization
between a primary volume and a secondary volume in one
10 of said pairs, and

version information about said split;

performing a split process in which a backup between said
primary volume and said secondary volume of said pair is
performed in response to said split request and the
15 synchronization of said pair is stopped; and

storing, for each said pair, version information of said
split process in a predetermined storage section.

2. A method of managing a generation of backup data according
20 to claim 1, further comprising:

receiving, from said host computer,

a restore request for restoring said primary volume
to the contents of a secondary volume, and

version information indicating a version to be
25 restored;

matching this received version information against said
version information of the split process that has been stored
for each said pair in said storage section, and identifying
the version information of the split process that matches said
30 received version information; and

performing a restore process by copying, to said primary volume, said secondary volume corresponding to the identified version information.

- 5 3. A method of managing a generation of backup data according to claim 2, further comprising:

if, upon receiving a restore request from said host computer, version information for that restore request is not received,

- 10 extracting said version information of the split process that has been stored for each said pair in said storage section, and notifying this extracted version information to said host computer; and

receiving, from said host computer, version information
15 that has been selected from among said notified version information, and taking that selected version information as the version information for said restore process.

4. A method of managing a generation of backup data according
20 to claim 1, further comprising:

notifying, to said host computer, said version information of the split process corresponding to said split request.

- 25 5. A method of managing a generation of backup data according to claim 1, wherein said version information includes at least one of

time information originating from said host computer and

30 a version ID designated by a user.

6. A storage control device used for managing a generation of backup data, said backup data being generated in each of a plurality of pairs originating from one volume, said storage
5 control device comprising:

a processor for reading/writing data from/to a primary volume and a secondary volume in each said pair in response to a request from a host computer that is connected to said storage control device;

10 a receiving section for receiving, from said host computer,

a split request for stopping synchronization between a primary volume and a secondary volume in one of said pairs, and

15 version information about said split;

a control section for performing a split process in which a backup between said primary volume and said secondary volume of said pair is performed in response to said split request and the synchronization of said pair is stopped; and

20 a processor for storing, for each said pair, version information of said split process in a predetermined storage section.

7. A storage control device according to claim 6, further
25 comprising:

a receiving section for receiving, from said host computer,

a restore request for restoring said primary volume to the contents of a secondary volume, and

30 version information indicating a version to be

restored;

a processor for matching this received version information against said version information of the split process that has been stored for each said pair in said storage
5 section, and identifying the version information of the split process that matches said received version information; and

a control section for performing a restore process by copying, to said primary volume, said secondary volume corresponding to the identified version information.

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8. A storage control device according to claim 7, further comprising:

a processor for extracting said version information of the split process that has been stored for each said pair in
15 said storage section;

a notification section for notifying this extracted version information to said host computer; and

a receiving section for receiving, from said host computer, version information that has been selected from among
20 said notified version information, and taking that selected version information as the version information for said restore process,

in case, upon receiving a restore request from said host computer, version information for that restore request is not
25 received.

9. A storage control device according to claim 6, further comprising:

a notification section for notifying, to said host
30 computer, said version information of the split process

corresponding to said split request.

10. A storage control device according to claim 6, wherein
said version information includes at least one of

5 time information originating from said host
computer and

a version ID designated by a user.